

Highlights

Crude oil

- After registering across-the-board decreases in August, monthly average prices for crude oil returned to an upward path in September. The average domestic crude oil first purchase price rose \$3.41 (5.2%) to \$69.08 per barrel.
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$2.74 (4.4%) to \$65.34 per barrel. The average landed cost of foreign crude oil rose \$2.24 (3.4%) to \$67.28 per barrel.
- The average refiner acquisition cost for domestic crude oil increased \$3.08 (4.4%) to \$72.35 per barrel. The average cost of imported crude oil climbed \$3.45 (5.3%) to \$69.11 per barrel. The composite refiner acquisition cost for crude oil rose \$3.14 (4.6%) to \$71.01 per barrel.

Petroleum products

Motor gasoline

- The September monthly average wholesale price for refiner sales of motor gasoline rose 0.8 cent to \$2.310 per gallon.
- Refiner sales of finished motor gasoline decreased again during September. Total refiner motor gasoline sales declined 3.2 million gallons per day (1.0%) to an average of 310.3 million gallons per day. DTW sales accounted for 6.9% of wholesales, while rack and bulk sales explained 90.4% and 2.7%, respectively.

No. 2 distillate

- Monthly average prices for refiner sales of No. 2 distillates were mostly on the rise in September. The retail sales price for No. 2 diesel fuel increased 5.7 cents to \$2.323 per gallon, while the average wholesale price climbed 9.4 cents to \$2.240 per gallon. The average retail price for sales of No. 2 fuel oil dropped 0.8 cent to \$2.387, while the average wholesale price increased 15.6 cents to \$2.041 per gallon.
- Refiner wholesale sales of No. 2 ultra-low sulfur diesel fuel increased 4.5 million gallons per day (3.0%) to 154.1 million gallons per day.

Residual fuel oil

- Prices for refiner sales of residual fuel oil climbed in September. The average retail price for residual fuel oil rose 4.9 cents to \$1.950 per gallon, while the average wholesale price increased 6.9 cents to \$1.845 per gallon.
- Total refiner residual fuel oil sales fell 200,000 gallons per day to 6.7 million gallons per day (2.9%) in September. Retail sales accounted for the full 200,000 gallons per day (10.0%) decrease, while wholesale sales remained flat.

Other products

- Refiner prices for sales of other finished petroleum products generally increased during September. Prices for propane, kerosene-type jet fuel, and No. 1 distillate increased at both the retail and wholesale levels. The price for kerosene also rose at the wholesale level, while the price for aviation gasoline declined in the same category.
- Refiner sales of the remaining surveyed products show mixed trends in September. Propane and No. 1 distillate sales increased at both the retail and wholesale levels. Kerosene-type jet fuel sales rose at retail, but declined at wholesale. Wholesale sales of aviation gasoline decreased, while kerosene sales climbed in the same category.

Table HL1. U.S. refiner prices and volumes of petroleum products

prices: dollars per gallon excluding taxes, volumes: million gallons per day

| Products | Sales to end users | | | | | | Sales for resale | | | | | |
|---------------------------------|--------------------|--------|-------------|--------|----------------|--------|------------------|--------|-------------|--------|----------------|--------|
| | September 2021 | | August 2021 | | September 2020 | | September 2021 | | August 2021 | | September 2020 | |
| | Price | Volume | Price | Volume | Price | Volume | Price | Volume | Price | Volume | Price | Volume |
| Motor gasoline | 3.143 | 4.7 | 3.146 | 4.8 | 1.804 | 20.5 | 2.310 | 305.6 | 2.302 | 308.7 | 1.354 | 273.3 |
| Conventional | 2.858 | W | 2.878 | W | 1.637 | 12.9 | 2.251 | 210.2 | 2.241 | 212.2 | 1.301 | 189.9 |
| Regular | 2.775 | W | 2.794 | W | 1.573 | 11.2 | 2.210 | 186.1 | 2.194 | 187.5 | 1.260 | 166.6 |
| Midgrade | 3.088 | W | 3.118 | W | 1.886 | 0.7 | 2.469 | 1.1 | 2.476 | 1.3 | 1.473 | 1.1 |
| Premium | W | W | W | W | 2.183 | 1.0 | 2.576 | 22.9 | 2.604 | 23.4 | 1.598 | 22.2 |
| Reformulated | W | W | W | W | 2.087 | 7.6 | 2.439 | 95.4 | 2.438 | 96.5 | 1.474 | 83.4 |
| Regular | W | W | W | W | 1.957 | 5.4 | 2.374 | 78.3 | 2.371 | 79.3 | 1.414 | 67.5 |
| Midgrade | W | W | W | W | 2.299 | 0.8 | 2.585 | 0.4 | 2.576 | 0.4 | 1.604 | 0.4 |
| Premium | W | W | W | W | 2.475 | 1.4 | 2.742 | 16.7 | 2.748 | 16.8 | 1.731 | 15.5 |
| Aviation gasoline | W | W | W | W | 2.613 | 0.0 | 3.248 | 0.5 | 3.299 | 0.5 | 2.246 | 0.4 |
| Kerosene-type jet fuel | 2.032 | 31.7 | 1.965 | 31.3 | 1.110 | 20.2 | 2.007 | 28.2 | 1.922 | 29.2 | 1.076 | 18.7 |
| Propane (consumer grade) | 1.296 | 5.2 | 1.122 | 4.2 | 0.508 | 3.4 | 1.280 | 23.5 | 1.110 | 20.8 | 0.516 | 22.7 |
| Kerosene | 2.817 | 0.0 | W | W | W | W | 2.109 | 0.9 | 1.899 | 0.7 | 1.215 | 0.8 |
| No. 1 distillate | 2.614 | 0.1 | 2.596 | 0.1 | 1.759 | 0.1 | 2.475 | 0.5 | 2.446 | 0.2 | 1.445 | 0.4 |
| No. 2 distillate | 2.324 | 8.3 | 2.267 | 8.0 | 1.386 | 9.5 | 2.235 | 159.3 | 2.142 | 152.6 | 1.191 | 158.5 |
| No. 2 fuel oil | 2.387 | 0.1 | 2.395 | 0.1 | 1.411 | 0.1 | 2.041 | 4.1 | 1.885 | 2.3 | 1.091 | 6.0 |
| No. 2 diesel fuel | 2.323 | 8.2 | 2.266 | 8.0 | 1.386 | 9.5 | 2.240 | 155.2 | 2.146 | 150.3 | 1.195 | 152.5 |
| Ultra low sulfur | W | W | W | W | 1.387 | 9.3 | 2.240 | 154.1 | 2.146 | 149.6 | 1.196 | 151.4 |
| Low sulfur | - | - | - | - | W | W | - | - | W | W | - | - |
| High sulfur | W | W | W | W | W | W | 2.175 | 1.1 | W | W | 1.130 | 1.1 |
| No. 4 fuel[a] | - | - | - | - | - | - | W | W | W | W | W | W |
| Residential fuel oil | 1.950 | 1.8 | 1.901 | 2.0 | 1.200 | 1.9 | 1.845 | 4.9 | 1.776 | 4.9 | 1.066 | 6.0 |
| Sulfur content not > 1% | W | W | W | W | W | W | 1.913 | 2.6 | 1.842 | 3.0 | 1.098 | 4.0 |
| Sulfur content > 1% | 1.748 | W | 1.666 | W | 1.035 | W | 1.768 | 2.3 | 1.674 | 1.9 | 1.000 | 2.0 |

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2019 are final. Total volumes may not equal the sum of the components because of rounding.

Source: U.S. Energy Information Administration Form EIA-782A, Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report.

Figure HL1. Crude oil and petroleum product wholesale prices

